

## PUBLIC NOTICE

### PERMIT APPLICATION: NRS 07-036

**APPLICANT:** Tommy Surber, Chairman  
Carroll County Watershed Authority  
P.O. Box 668  
Huntingdon, TN 38344  
(731) 969-2900

**LOCATION:** Reedy Creek site located near the Leach community approximately three miles southwest from the Town of Huntingdon corporate limits, south of and adjacent to U.S. Highway 70 (State Route 1). Carroll County.

**WATERSHED DESCRIPTION:** South Fork Forked Deer (HUC 08010203). Surrounding land is pasture, woods, scattered residential. The streams have been assessed as Tier 1. Past channelization of Reedy Creek and its tributaries have reduced the habitat diversity of the watershed. However, an aquatic assessment indicated that Reedy Creek has a good to fair –in-stream habitat complexity and a diverse assemblage of macroinvertebrates. Approximately 62 wetland areas range in size from .05 acres to 13.7 acres. Emergent wetlands account for 10%, scrub-shrub for 35%, while the remaining 55% are forested. Typical tree species include river birch, American elm, sycamore, sweetgum, red maple and alder. Over bank flooding does not appear to be a significant source of hydrology for any of the wetlands.

**PROJECT DESCRIPTION:** The proposed project was first permitted on April 10, 2002 and expired on April 10, 2007 (§401 Water Quality Certification #00-308). Due to not having finished the proposed activity the permittee is applying for new permit. As of this date, the Carroll County Watershed Authority has or is in the process of complying with conditions #8 (ground water monitoring), #12 (wetland mitigation plan status), and #18 (Reedy Creek monitoring). The construction of the dam is scheduled to begin in the second quarter of 2008. Completion of land acquisition is scheduled in the first quarter of 2007.

The proposed project involves the construction of a recreational lake. The proposed work will include constructing a dam with approximately 400,000 cubic yards of fill material to inundate approximately 977 acres. The impoundment will inundate 119 acres of jurisdictional wetland and 9.2 miles of Reedy Creek and its tributaries. Compensatory mitigation will occur at the confluence of Crooked and Guins Creeks in Carroll County with the restoration of 300 acres of prior converted cropland, preservation of 81 acres, the channel/floodplain restoration of approximately 1.4 miles of Crooked Creek, 0.6 mile of an unnamed tributary and the breaching of the levee along Guins Creek. The stream and wetland mitigation is scheduled to be completed in the fourth quarter of 2009.

Special conditions of the Certification:

The Operations Manual for the Management of Reservoir and Tailwater Water Quality for the Carroll County Lake, dated January 15, 2002 and associated cover letter and response to comments dated January 16, 2002, shall be implemented, especially that of minimum normal discharge rates, as approved by the Division with the following exceptions and /or exclusions:

- (a) All vegetation, except grasses, shall be removed from the reservoir site and disposed of off-site or burned on-site under the authority of an appropriate permit

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issued by the Tennessee Department of Environment and Conservation, Division of Air Pollution Control, and the resulting ash and debris disposed of off-site.

- (b) No grubbing of the reservoir site shall occur except in areas that might be used to provide borrow material to construct the dam or other facilities included under the referenced application requiring earthen materials for construction.
- (c) An annual report shall be submitted to the Division that entails the data and an interpretive narrative on the tailwater quality monitoring plan which will measure flow, dissolved oxygen, pH, conductivity, temperature and metals. If these criteria are in violation of the standards then a remedial action plan must be submitted. This requirement shall be reviewed by the Tennessee Department of Environment and Conservation, Division of Water Pollution Control at the end of the seventh year following the closure of the dam and deleted if data indicate that the tailwater quality is stable and within standards. The first report due shall be that of the preconstruction monitoring data.

The Carroll County Watershed Authority shall assign a staff person(s) or retain the services of a qualified individual or firm to oversee and conduct the Tailwater Quality Monitoring.

The Carroll County Watershed Authority and the Carroll County Commission shall enact appropriate land use restrictions on the Carroll County Lake watershed to control the collection, treatment and disposal of wastewater generated in the watershed in a manner that shall not add organics or nutrients to the lake.

The Carroll County Watershed Authority shall monitor the stream flow and water quality parameters for tailwater discharge quality of Reedy Creek for 12-24 months prior to construction. Data gathered from this monitoring shall be used to correlate with rainfall records to determine bankfull or channel full discharge and overbank flooding events. If a rainfall event occurs having a magnitude that has been demonstrated to result in at least bankfull or channel full discharge (and out of banks discharge) immediately downstream of the dam in the unregulated Reedy Creek that does not create bankfull or channel full discharges after construction of the dam and reservoir, then the Authority shall create a bankfull or channel full discharge or out of banks discharge from the reservoir on an annual basis by the release of impounded waters and/or the operation of the well pumps or a combination of both.

The wetland and stream mitigation areas shall be transferred to the Tennessee Wildlife Resources Agency after success criteria have been met. The mitigation site shall then remain in its natural state and managed under the general restrictive terms and conditions of mitigation sites. After the purchase of the mitigation property, a final survey and registered plat shall be submitted to this office.

Both the stream and wetland mitigation will be monitored with annual reports submitted to this office and the US Army Corps of Engineers.

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In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

**USGS TOPOGRAPHIC QUADRANGLE: Palmer Shelter 10 NW**  
**35.9408 lat**  
**-88.4783 long**

**PERMIT COORDINATOR:** Mike Lee

No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced.

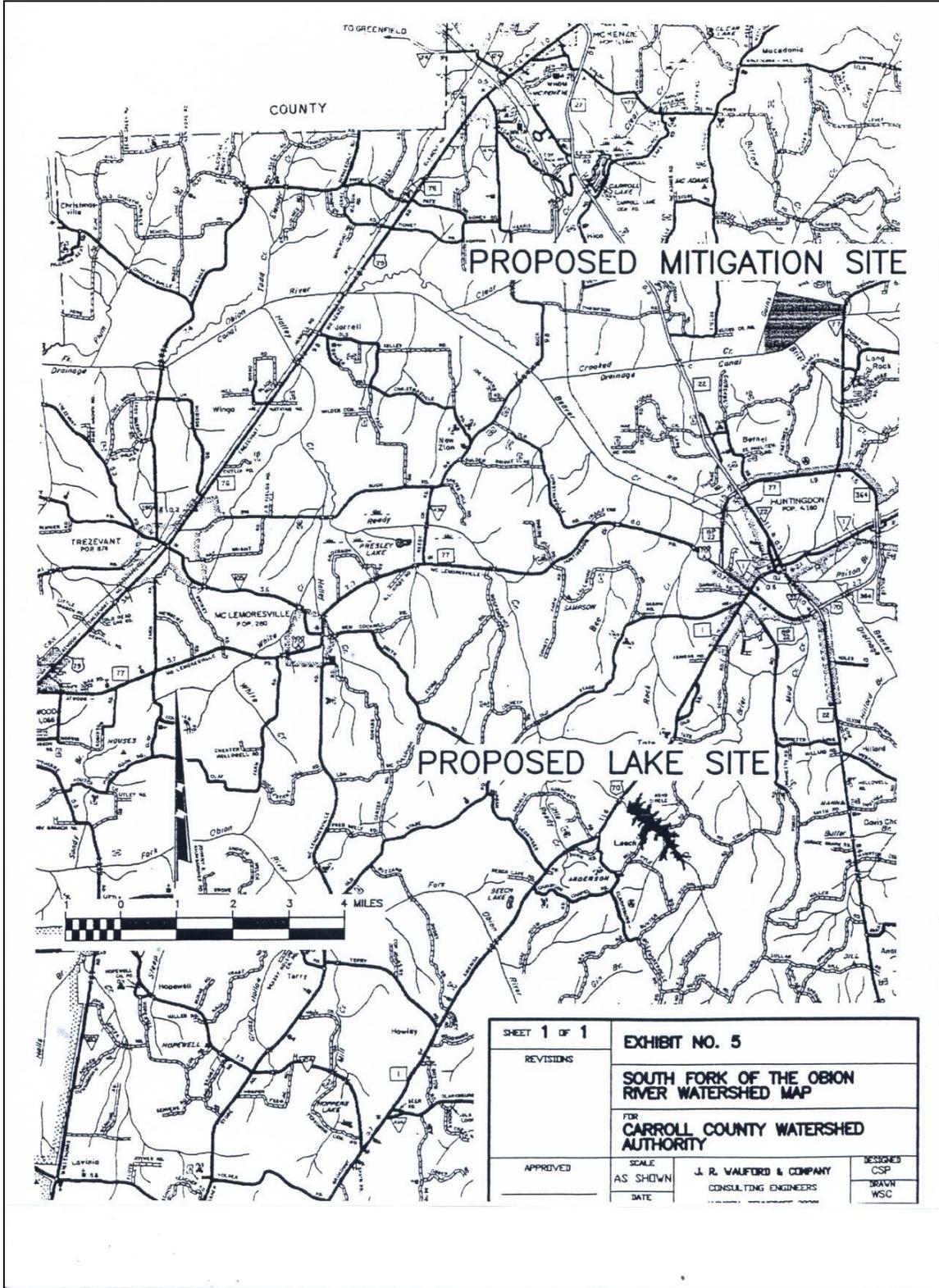
**A Public Hearing has been scheduled for the proposed project. The hearing will be held on Thursday, September 6, 2007 at 6:00 P.M. CDT in the Huntingdon City Hall, 12740 Lexington Street, Huntingdon, Tn. 38344.**

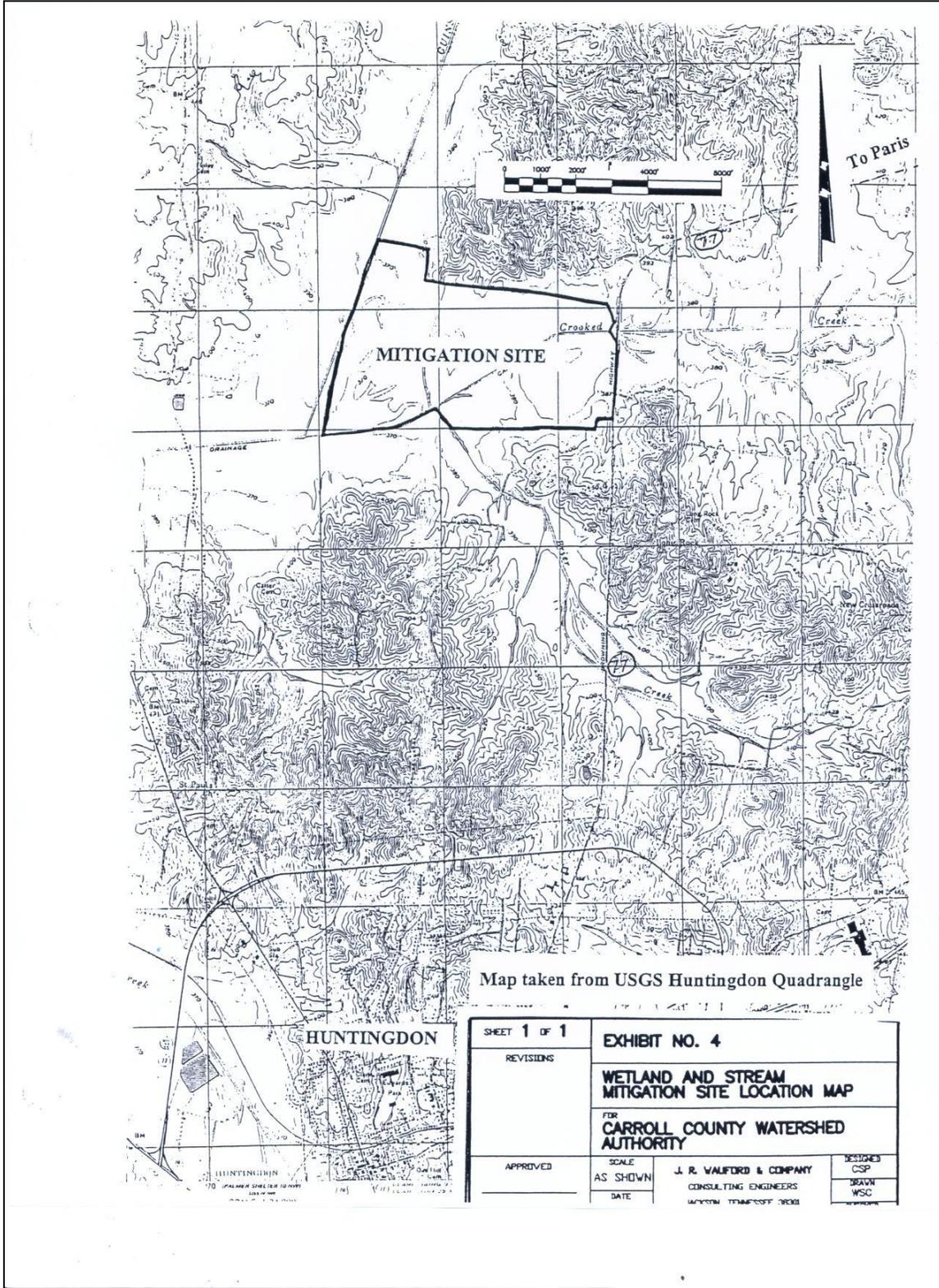
The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

Tennessee Department of Environment & Conservation  
Division of Water Pollution Control, Natural Resources Section  
7th Floor L & C Annex  
401 Church Street  
Nashville, TN 37243

In deciding whether to issue or deny a permit, the department will consider all comments on record and the requirements of applicable federal and state laws.



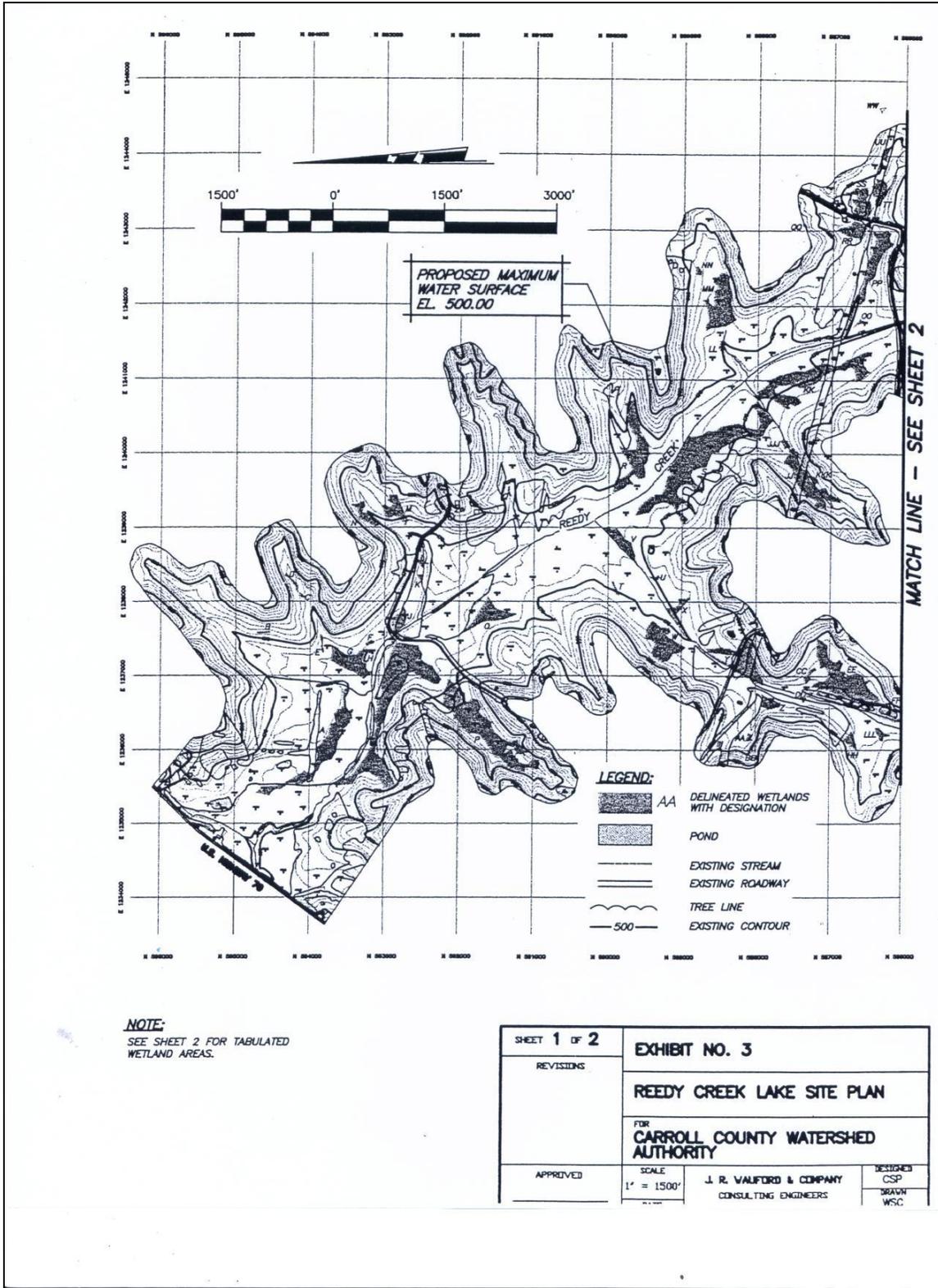


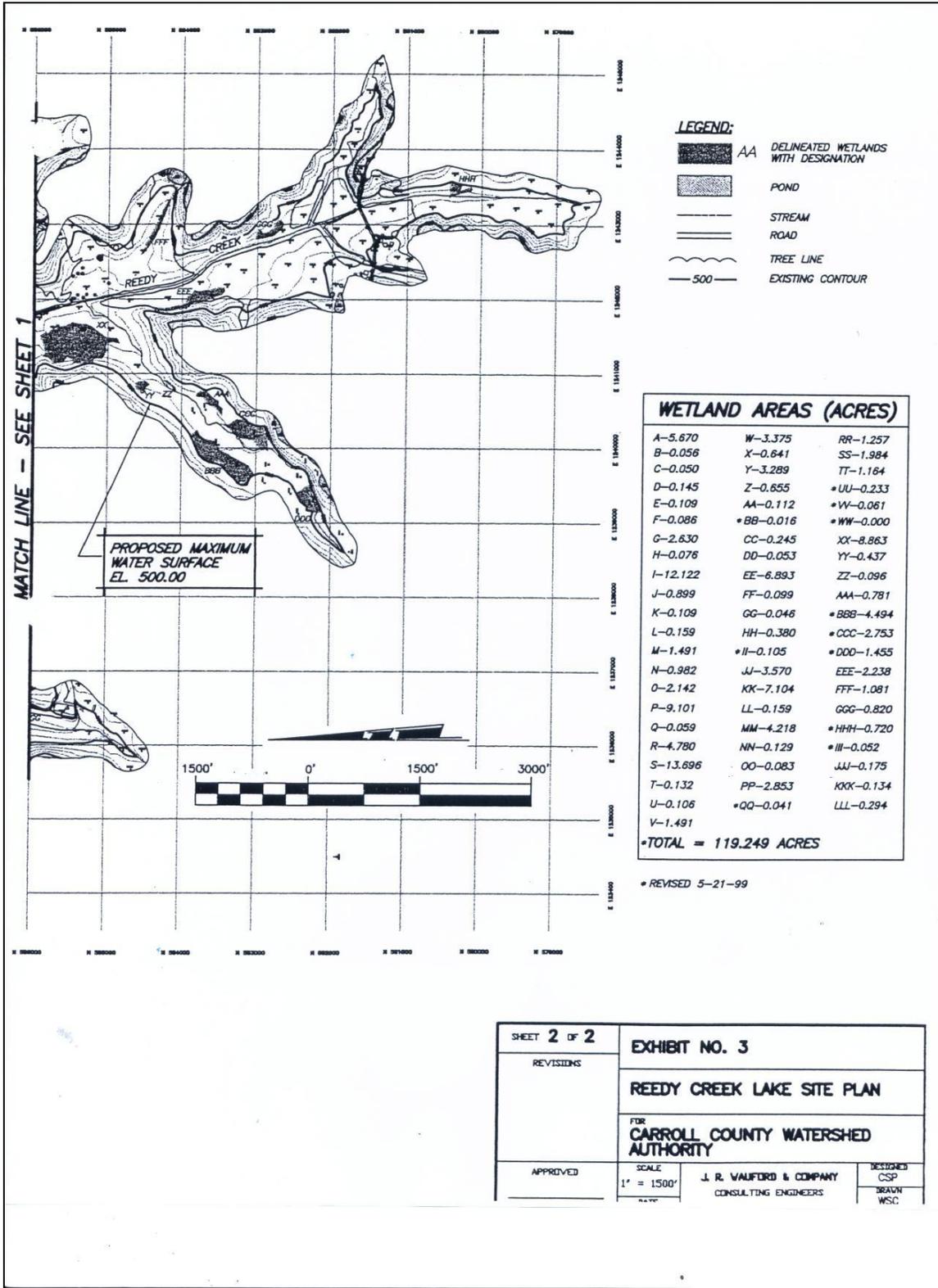


Map taken from USGS Huntingdon Quadrangle

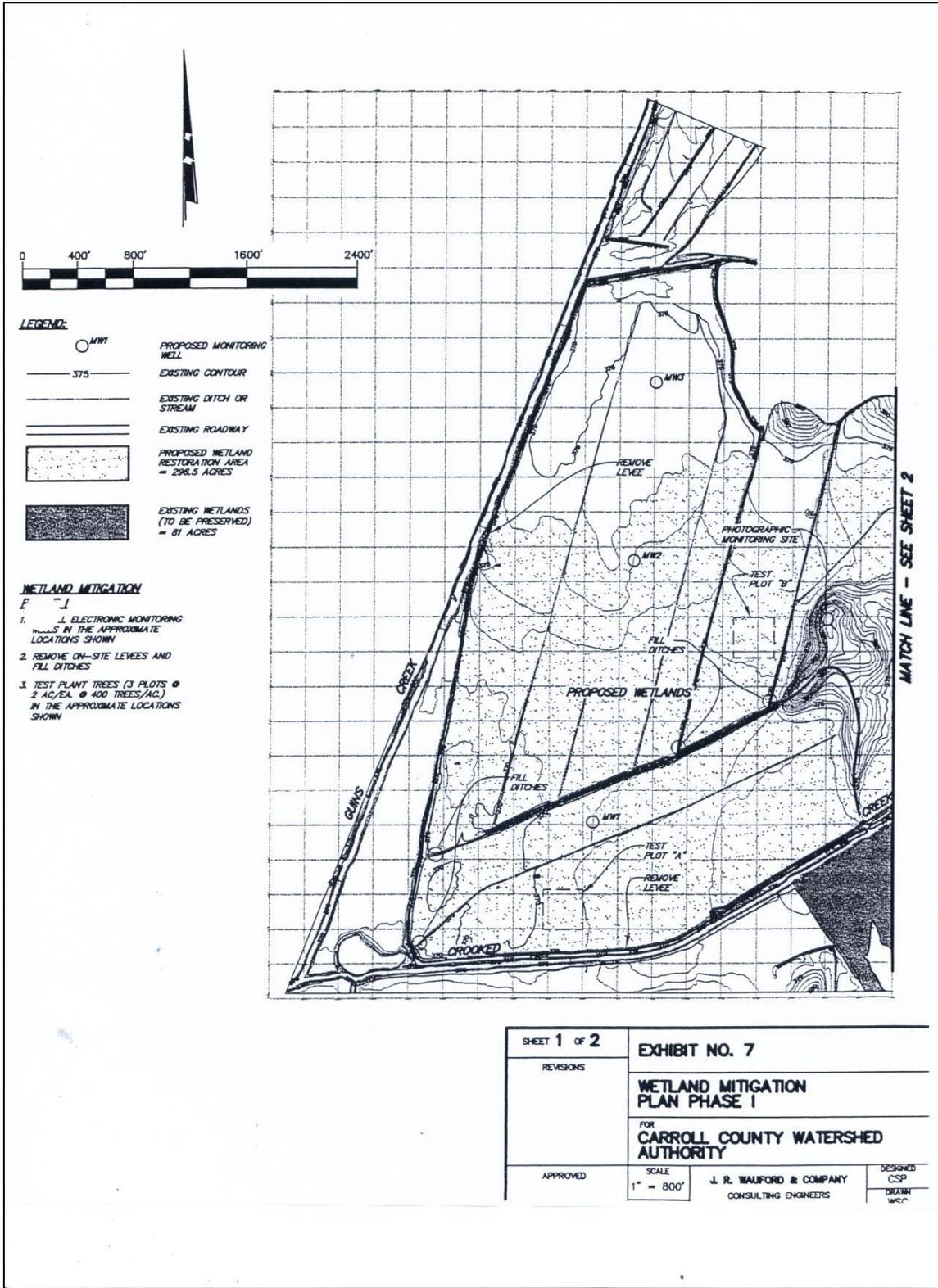
SHEET 1 OF 1		EXHIBIT NO. 4	
REVISIONS		WETLAND AND STREAM MITIGATION SITE LOCATION MAP	
		FOR CARROLL COUNTY WATERSHED AUTHORITY	
APPROVED	SCALE AS SHOWN	J. R. WALFORD & COMPANY CONSULTING ENGINEERS DATE	DESIGNED CSP DRAWN WSC

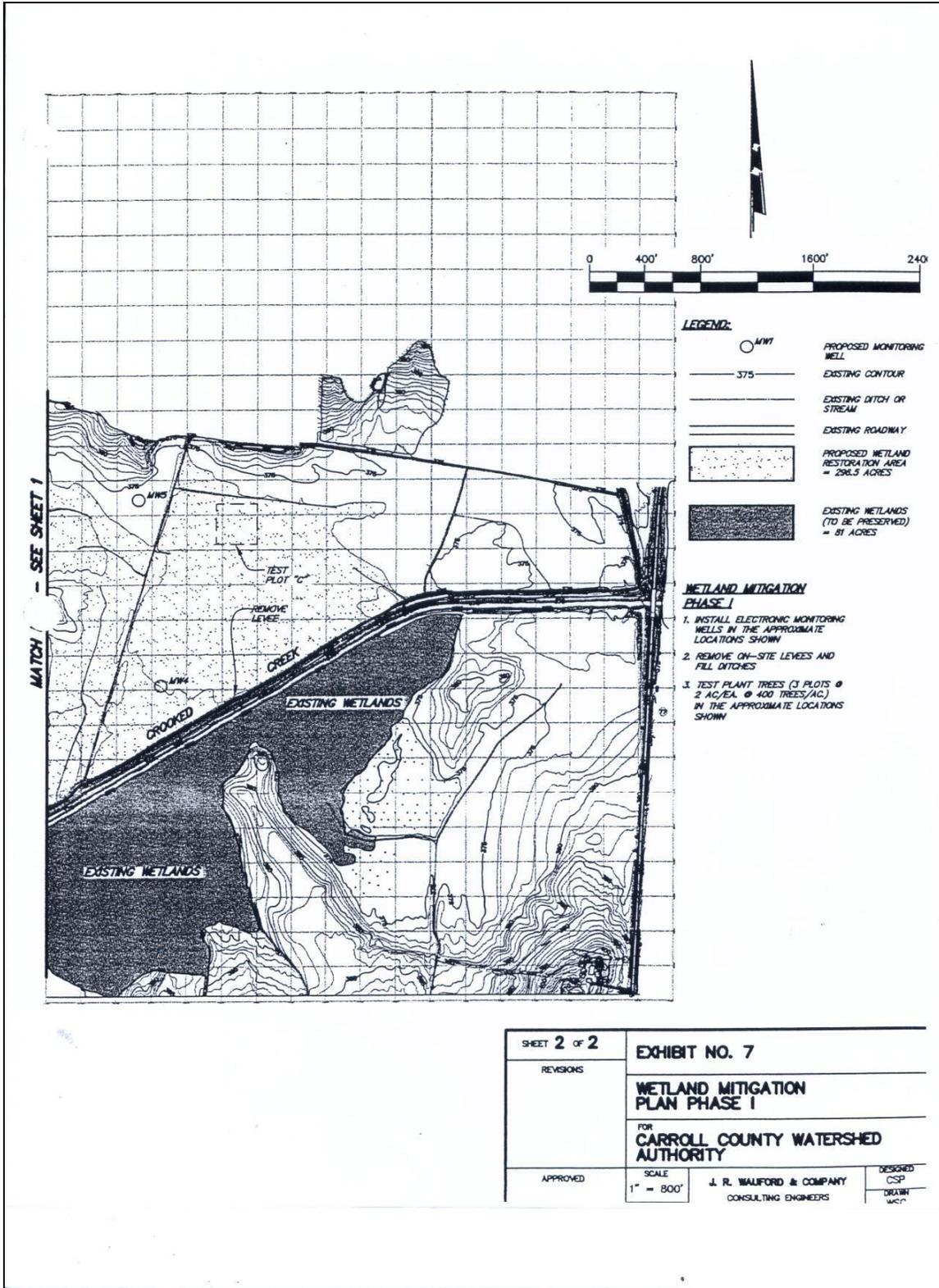
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SHEET 2 OF 2		EXHIBIT NO. 3	
REVISIONS		REEDY CREEK LAKE SITE PLAN	
APPROVED		FOR CARROLL COUNTY WATERSHED AUTHORITY	
SCALE 1" = 1500'	J. R. VAUFORD & COMPANY CONSULTING ENGINEERS	DESIGNED CSP	DRAWN WSC



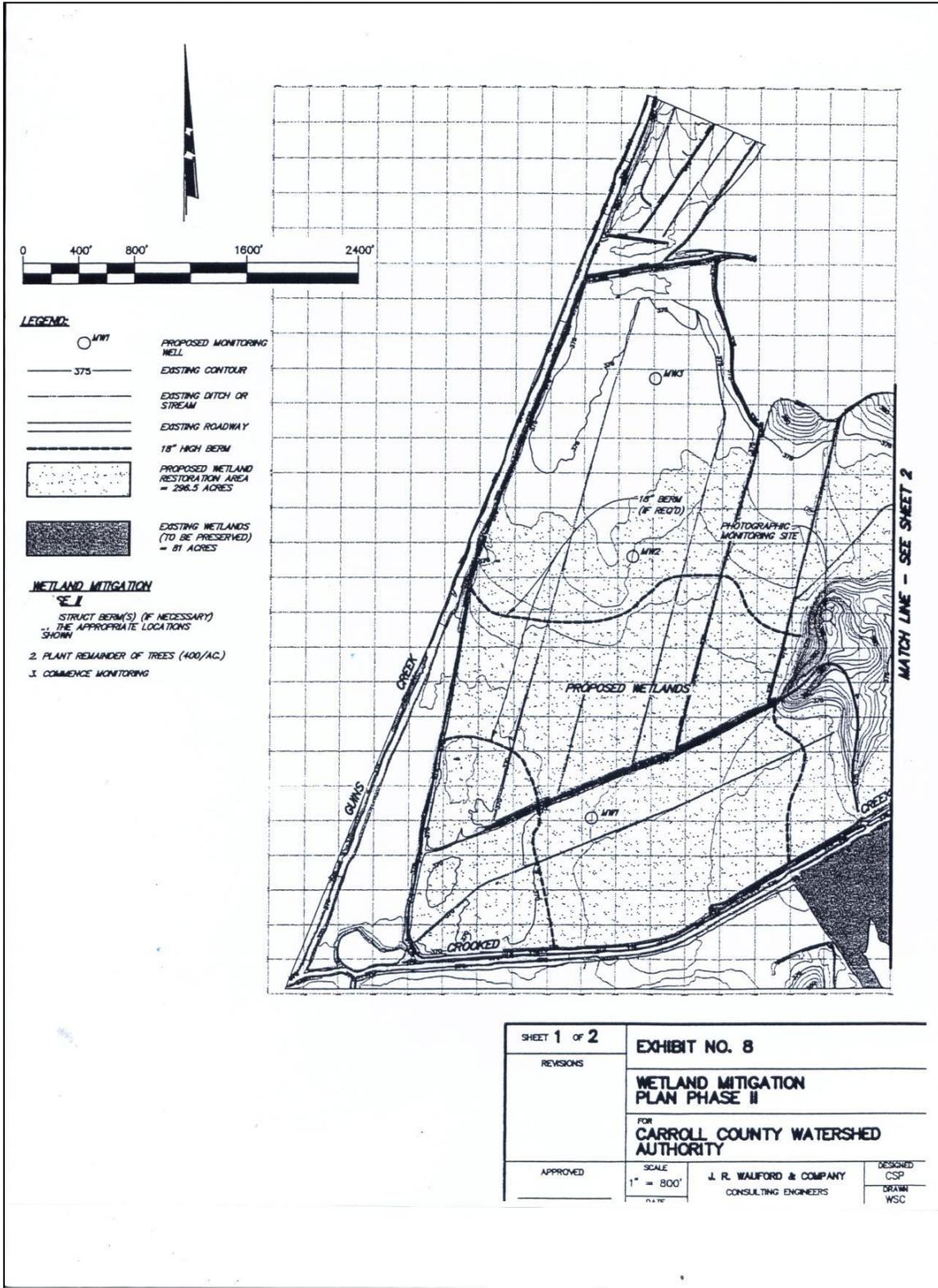


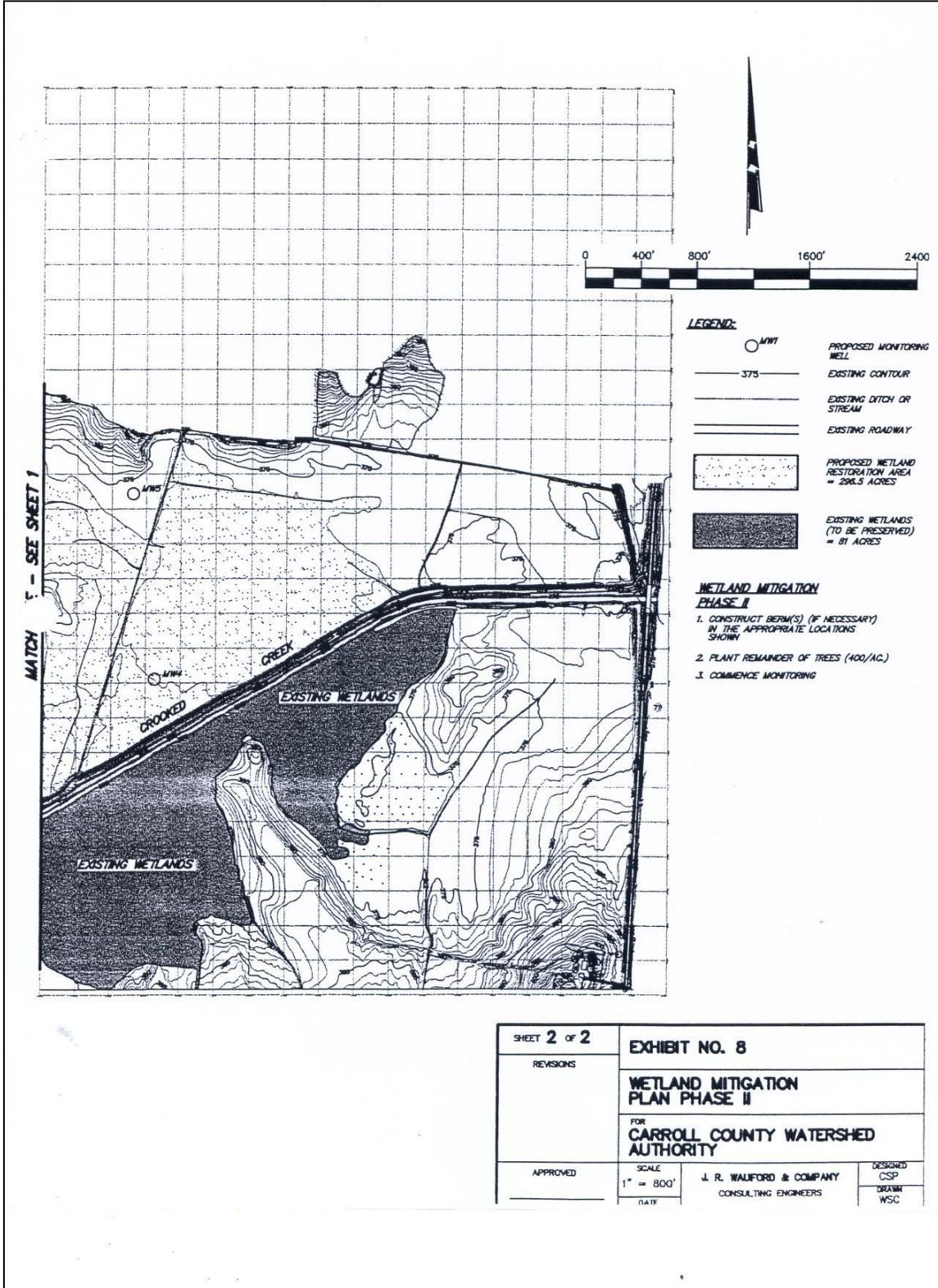
- LEGEND:**
- PROPOSED MONITORING WELL
  - 375' EXISTING CONTOUR
  - EXISTING DITCH OR STREAM
  - EXISTING ROADWAY
  - PROPOSED WETLAND RESTORATION AREA = 298.5 ACRES
  - EXISTING WETLANDS (TO BE PRESERVED) = 81 ACRES

- WETLAND MITIGATION PHASE I**
1. INSTALL ELECTRONIC MONITORING WELLS IN THE APPROXIMATE LOCATIONS SHOWN
  2. REMOVE ON-SITE LEVEES AND FILL DITCHES
  3. TEST PLANT TREES (3 PLOTS @ 2 AC/EA @ 400 TREES/AC.) IN THE APPROXIMATE LOCATIONS SHOWN

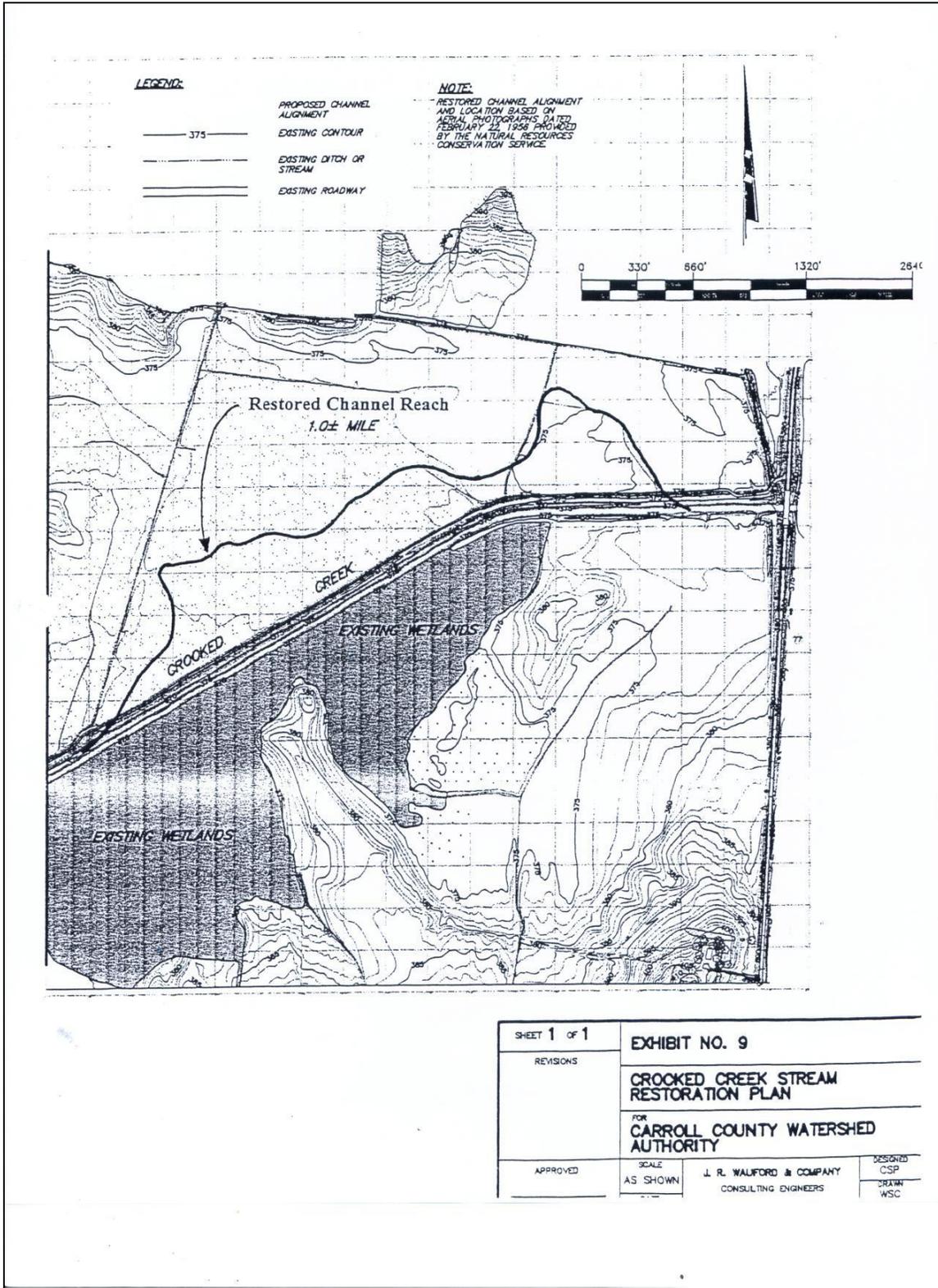
SHEET 2 OF 2		EXHIBIT NO. 7	
REVISIONS		WETLAND MITIGATION PLAN PHASE I	
		FOR CARROLL COUNTY WATERSHED AUTHORITY	
APPROVED	SCALE 1" = 800'	J. R. WALFORD & COMPANY CONSULTING ENGINEERS	DESIGNED CSP DRAWN WCF

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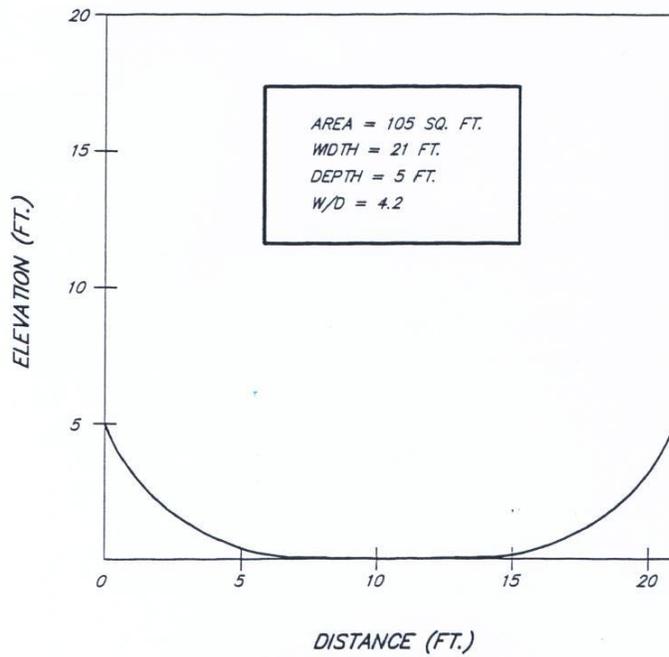




SHEET 2 of 2		EXHIBIT NO. 8	
REVISIONS		WETLAND MITIGATION PLAN PHASE II	
		FOR CARROLL COUNTY WATERSHED AUTHORITY	
APPROVED	SCALE 1" = 800'	J. R. WALFORD & COMPANY CONSULTING ENGINEERS	DESIGNED CSP DRAWN WSC
	DATE		



SHEET 1 of 1		EXHIBIT NO. 9	
REVISIONS		CROOKED CREEK STREAM RESTORATION PLAN	
		FOR CARROLL COUNTY WATERSHED AUTHORITY	
APPROVED	SCALE AS SHOWN	J. R. WAUFORD & COMPANY CONSULTING ENGINEERS	DESIGNED CSP DRAWN WSC



TYPICAL SECTION THROUGH RESTORED  
 CROOKED CREEK CHANNEL

SCALE: 1"=5'

SHEET 1 of 1		EXHIBIT NO. 10	
REVISIONS		TYPICAL SECTION THROUGH RESTORED CROOKED CREEK CHANNEL	
		FOR CARROLL COUNTY WATERSHED AUTHORITY	
APPROVED	SCALE AS SHOWN	J. R. WAUFORD & COMPANY CONSULTING ENGINEERS	DESIGNED CSP DRAWN WSC
	DATE		

